



# **Training Programs & Experience at Yale**

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**CASC Fall 2016 Meeting**

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# Yale Center for Research Computing

- Independent center in the Provost's Office
  - Reports primarily to Deputy Provost for Research
- Staffing (~15 FTEs)
  - 2 Faculty Directors: Arts & Sciences; Medical School
  - Executive Director
  - User Support Staff ("ACI-REFs") (7+):
    - Led by 2 research faculty
    - 5+ others split between Arts & Sciences and biomedical computing
  - HPC Engineering/System Administration Staff (6)
  - Director of Research Services (education, communications) (P/T)
  - Project Manager (P/T)

# YCRC Responsibilities

**Advanced  
CyberInfrastructure**

**Support for  
Research & Teaching**

**Education & Training**

**Community  
Engagement**

# User Education & Training

- For-Credit Classes
  - Parallel Programming: Joint Grad/Undergrad Comp Sci class (Spring)
  - Guest lectures in discipline-specific computing classes (e.g., Physics, Astronomy, GIS, Data Science)
- Workshops
  - Getting Started Bootcamps (general & discipline specific)
  - Python (intro & advanced)
  - Others: Advanced/Parallel R; Geospatial Analysis; software mgmt (git)
  - Videocast site for XSEDE workshops (various topics)
  - Application Workshops (e.g., Matlab, Mathematica, COMSOL)
  - Technology Workshops (e.g., Intel Xeon Phi, Nvidia Cuda, Globus)
  - XSEDE: 2 Campus Champions; Workshop on creating XSEDE proposals
  - Futures: Software Carpentry; Data Carpentry

# Other Activities

- Goal: Help researchers help themselves and other researchers
- Meetings with users
  - Departmental (e.g., Geology & Geophysics)
  - PI Group/Lab Meetings
  - Open Office Hours
- Online Resources
  - YCRC Website (workshop recordings and training materials)
  - Future: User Forum (conceptually similar to Stack Overflow)